Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/29/2021 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125078	0	1.23	124995	1.23
Blue	F	SSC	125000	124141	-1	2.33	124504	2.22
Blue	E	FITC	13131	12798	-3	2.33	294	15.91
Blue	D	PE	24112	23895	-1	1.68	548	10.48
Blue	B	PerCP-Cy5-5	31295	30654	-3	3.10	1016	14.66
Blue	A	PE-Cy7	19939	19613	-2	5.31	521	29.00
Red	C	APC	42122	41368	-2	3.00	1737	11.32
Red	A	APC-Cy7	22340	21846	-3	3.39	815	11.83
Violet	B	V450	7410	7026	-6	3.88	426	12.78
Violet	A	V500	28118	26672	-6	3.44	665	9.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23182	1.45	571	2	N/A	N/A	Pass
Blue	F	SSC	57957	1.07	521	9	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0388	91	Pass
Blue	D	PE	114	37.07	489	1	0.4840	377	Pass
Blue	B	PerCP-Cy5-5	188	36.22	584	-2	0.0195	65	Pass
Blue	A	PE-Cy7	106	68.12	626	-2	0.0226	6	Pass
Red	C	APC	401	23.58	579	3	0.0282	159	Pass
Red	A	APC-Cy7	182	27.86	554	3	0.0061	1048	Pass
Violet	B	V450	60	63.91	459	6	0.0609	2401	Pass
Violet	A	V500	96	35.45	470	5	0.0282	1172	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.60	-31.43	1.05
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	15.33	13.60 - 20.40	N/A	N/A	29.95	30.05	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15207

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments